

# Luping Du

## List of Publications by Year in descending order

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44  
papers

1,536  
citations

361045

20  
h-index

301761

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic Spin-Momentum Dynamics of Surface Electromagnetic Waves in Dispersive Interfaces. <i>Physical Review Letters</i> , 2022, 128, .	2.9	10
2	Directional imbalance of Bloch surface waves for ultrasensitive displacement metrology. <i>Nanoscale</i> , 2021, 13, 11041-11050.	2.8	10
3	Transverse spin dynamics in structured electromagnetic guided waves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
4	Bloch-type photonic skyrmions in optical chiral multilayers. <i>Physical Review Research</i> , 2021, 3, .	1.3	28
5	Symmetry-Protected Photonic Chiral Spin Textures by Spin-Orbit Coupling. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000554.	4.4	14
6	Optical spin-orbit coupling in the presence of magnetization: photonic skyrmion interaction with magnetic domains. <i>Nanophotonics</i> , 2021, 10, 3667-3675.	2.9	20
7	Photonic Spin Skyrmion with Dynamic Position Control. <i>ACS Photonics</i> , 2021, 8, 2567-2572.	3.2	11
8	Optical near-field measurement for spin-orbit interaction of light. <i>Progress in Quantum Electronics</i> , 2021, 78, 100341.	3.5	14
9	Spin photonics: from transverse spin to photonic skyrmions. <i>Nanophotonics</i> , 2021, 10, 3927-3943.	2.9	34
10	Reply to "Comment on "Electronic Maxwell's equations". <i>New Journal of Physics</i> , 2021, 23, 118002.	1.2	0
11	Photonic Spin Lattices: Symmetry Constraints for Skyrmion and Meron Topologies. <i>Physical Review Letters</i> , 2021, 127, 237403.	2.9	49
12	Design of Optimal Illumination Patterns in Single-Pixel Imaging Using Image Dictionaries. <i>IEEE Photonics Journal</i> , 2020, 12, 1-9.	1.0	6
13	Mapping the near-field spin angular momenta in the structured surface plasmon polariton field. <i>Nanoscale</i> , 2020, 12, 13674-13679.	2.8	28
14	Spin-resolved near-field scanning optical microscopy for mapping of the spin angular momentum distribution of focused beams. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	15
15	Electronic Maxwell's equations. <i>New Journal of Physics</i> , 2020, 22, 113019.	1.2	8
16	Selective magnetic responses of silicon nanoparticles modulated by waveguide structures. <i>Optics Express</i> , 2020, 28, 16333.	1.7	3
17	Strong spin-orbit interaction of photonic skyrmions at the general optical interface. <i>Nanophotonics</i> , 2020, 9, 4619-4628.	2.9	19
18	Surface plasmon coupled nano-probe for near field scanning optical microscopy. <i>Optics Express</i> , 2020, 28, 14831.	1.7	7

#	ARTICLE	IF	CITATIONS
19	On-Chip Photonic Spin Hall Lens. ACS Photonics, 2019, 6, 1840-1847.	3.2	39
20	Mapping the near-field distribution of magnetic fields using a silicon nanoparticle at optical frequencies. Journal Physics D: Applied Physics, 2019, 52, 355002.	1.3	5
21	Deep-subwavelength features of photonic skyrmions in a confined electromagnetic field with orbital angular momentum. Nature Physics, 2019, 15, 650-654.	6.5	176
22	Optical manipulation with electric and magnetic transverse spin through multilayered focused configuration. Applied Physics Express, 2019, 12, 032001.	1.1	5
23	Mapping the weak plasmonic transverse field by a dielectric-nanoparticle-on-film structure with ultra-high precision. Optics Express, 2019, 27, 18980.	1.7	11
24	Broadband graphene-based photoacoustic microscopy with high sensitivity. Nanoscale, 2018, 10, 8606-8614.	2.8	24
25	Optical transverse spin coupling through a plasmonic nanoparticle for particle-identification and field-mapping. Nanoscale, 2018, 10, 9286-9291.	2.8	24
26	Structured spin angular momentum in highly focused cylindrical vector vortex beams for optical manipulation. Optics Express, 2018, 26, 23449.	1.7	53
27	Toward broadband, dynamic structuring of a complex plasmonic field. Science Advances, 2018, 4, eaa0533.	4.7	19
28	Manipulating orbital angular momentum of light with tailored in-plane polarization states. Scientific Reports, 2017, 7, 41001.	1.6	20
29	Generating Arbitrary Order Cylindrical Vector Beams With Inherent Transform Mechanism. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	16
30	Focal and optical trapping behaviors of radially polarized vortex beam with broken axial symmetry. AIP Advances, 2017, 7, 065109.	0.6	9
31	Diffraction-Free Bloch Surface Waves. ACS Nano, 2017, 11, 5383-5390.	7.3	52
32	Perfect optical vortex enhanced surface plasmon excitation for plasmonic structured illumination microscopy imaging. Applied Physics Letters, 2016, 108, .	1.5	81
33	On-chip photonic Fourier transform with surface plasmon polaritons. Light: Science and Applications, 2016, 5, e16034-e16034.	7.7	58
34	Accurate Feeding of Nanoantenna by Singular Optics for Nanoscale Translational and Rotational Displacement Sensing. Physical Review Letters, 2016, 117, 113903.	2.9	38
35	Plasmonic nano-slits assisted polarization selective detour phase meta-hologram. Laser and Photonics Reviews, 2016, 10, 978-985.	4.4	60
36	A Miniaturized Polymer Grating for Topological Order Detection of Cylindrical Vector Beams. IEEE Photonics Technology Letters, 2016, 28, 2799-2802.	1.3	17

#	ARTICLE	IF	CITATIONS
37	Mode-matching metasurfaces: coherent reconstruction and multiplexing of surface waves. Scientific Reports, 2015, 5, 10529.	1.6	16
38	Broadband chirality-coded meta-aperture for photon-spin resolving. Nature Communications, 2015, 6, 10051.	5.8	38
39	Metal-Insulator-Dielectric Waveguides for High Efficiency Fluorescence Imaging. Journal of Physical Chemistry C, 2015, 119, 24081-24085.	1.5	11
40	Focused plasmonic trapping of metallic particles. Nature Communications, 2013, 4, 2891.	5.8	319
41	Mapping plasmonic near-field profiles and interferences by surface-enhanced Raman scattering. Scientific Reports, 2013, 3, 3064.	1.6	47
42	Detection of microscope-excited surface plasmon polaritons with Rayleigh scattering from metal nanoparticles. Applied Physics Letters, 2013, 103, .	1.5	12
43	Dynamic plasmonic tweezers enabled single-particle-film-system gap-mode Surface-enhanced Raman scattering. Applied Physics Letters, 2013, 103, .	1.5	27
44	Tightly Focused Radially Polarized Beam for Propagating Surface Plasmon-Assisted Gap-Mode Raman Spectroscopy. Plasmonics, 2011, 6, 651-657.	1.8	32